2MM-HSP-S05-HT-02-H-TB ✔ ACTIVE

AMPMODU | AMPMODU 2 mm

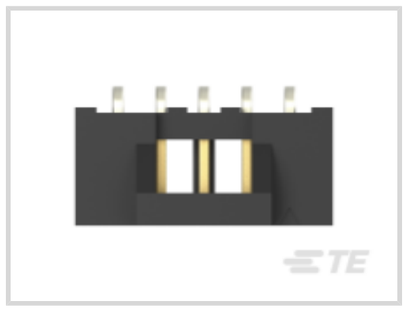
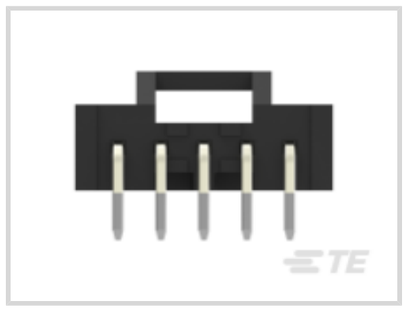
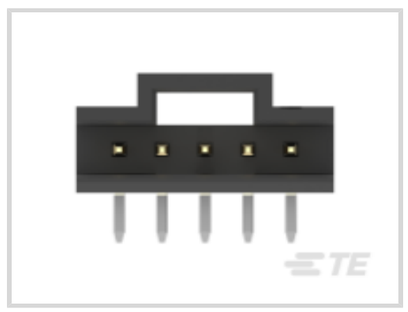
TE Internal #: 2823405-5

PCB Mount Header, Right Angle, Board-to-Board / Wire-to-Board, 5 Position, 2 mm [.079 in] Centerline, Partially Shrouded, Gold, AMPMODU 2 mm

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Board-to-Board, Wire-to-Board**

Number of Positions: **5**

Centerline (Pitch): **2 mm [.079 in]**

Sealable: **No**

PCB Mount Orientation: **Right Angle**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Header Type	Partially Shrouded
Connector System	Board-to-Board, Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	5
PCB Mount Orientation	Right Angle
Number of Rows	1

Electrical Characteristics

Insulation Resistance	1000 MΩ
Dielectric Withstanding Voltage (Max)	650 V
Operating Voltage	250 VAC

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features

Contact Mating Area Length	4 mm[.157 in]
Mating Square Post Dimension	.5 mm[.02 in]
PCB Contact Termination Area Plating Material Thickness	3 - 5 µm[100 - 200 µin]
Contact Layout	Inline
Contact Type	Pin
Contact Underplating Material Thickness	1.27 µm
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	2 A

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.02 in]
Termination Post & Tail Length	2.8 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Retention	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Retention Type	Center Latch
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Liquid Crystal Polymer (LCP)
Centerline (Pitch)	2 mm[.079 in]

Dimensions

Connector Length	12 mm[.472 in]

PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

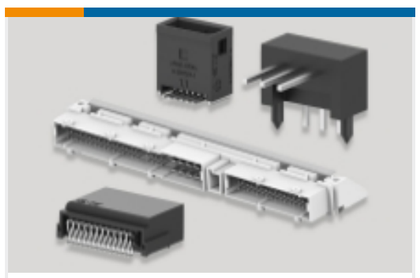


TE Part # 2316104-5
5P,2MM,REC,HSG,SR,CRIMP,LATCH,BOX

Also in the Series | AMPMODU 2 mm



Connector Contacts(27)



PCB Headers & Receptacles(10387)



Wire-to-Board Connector Assemblies & Housings(202)

Documents

Product Drawings

5P,2MM,PL HDR,SRRT,2.8,0.76AU,TB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2823405-5_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2823405-5_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2823405-5_1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

AMPMODU 2mm interconnection system QRG

English

Flyer - AMPMODU 2mm Shrouded Header

English

Product Specifications

Application Specification

English

Agency Approvals

VDE Certificate

English